

NUCULA MICANS, n. sp. (Plate LIV. fig. 16.)

Shell minute, obliquely and triangularly ovate, subventricose, very inequilateral, moderately solid, white, shining, very finely concentrically striated, the striæ occasionally running into each other; dorsal margin somewhat arched posteriorly, short and descending in front; ventral margin moderately arcuate; umbones tumid, smooth, pearly, and approximate.

Long. 1, alt. $\frac{3}{4}$, lat. $\frac{1}{2}$ line.

Hab. Shell-sand, Salt Creek; Glenelg, St. Vincent's Gulf.

Somewhat allied to *Nucula pusilla*, Ang. (P. Z. S. 1877, p. 177), from Port Jackson, but possessing a different style of sculpture.

EXPLANATION OF PLATE LIV.

- Fig. 1. *Semele hanleyi*, p. 859.
 2. ——— *aphrodite*, p. 859.
 3. ——— *aspasia*, p. 860.
 4. ——— *phryne*, p. 860.
 5. *Lucina citrina*, p. 860.
 6. ——— *rosea*, p. 860.
 7. *Helix brenchleyi*, p. 861.
 8. *Mitra tatei*, p. 861.

- Fig. 9. *Parthenia gracilis*, p. 862.
 10. *Cyclostrema tatei*, p. 862.
 11. *Buccinulus intermedius*, p. 862.
 12. *Nacella parva*, p. 862.
 13. *Mysella donaciformis*, p. 863.
 14. *Lepton australis*, p. 863.
 15. *Lucina (Codakia) tatei*, p. 863.
 16. *Nucula micans*, p. 864.

10. A List of additional Species of Marine Mollusca to be included in the Fauna of the Province of South Australia; with Notes on their Habitats and Local Distribution.
 By GEORGE FRENCH ANGAS, C.M.Z.S., F.L.S., &c.

[Received September 19, 1878.]

In the year 1865 I published in the 'Proceedings' of this Society a list of all the species of marine Mollusks that had been met with on the shores of the Province of South Australia up to that date, numbering about 231 Gasteropods and 97 Conchifera. Since that period other species have come to light, several of them hitherto only known as inhabiting the New-South-Wales and Tasmanian seaboard; whilst others have proved to be new to science, and have been described by me recently. I am indebted to Professor Ralph Tate and Mr. W. T. Bednall, of Adelaide, for several interesting additions to my list— which includes 54 Gasteropoda, and 21 Conchifera, &c., hitherto unrecorded as occurring in South Australia, thus making a grand total of 403 species.

GASTEROPODA.

1. MUREX ANGASI.

Typhis angasi, Crosse, Journ. de Conch. 1863, p. 86, pl. 1. fig. 2, Port Lincoln (*Bednall*).

2. TRITON (EPIDROMUS) BEDNALLI.

Triton bednalli, Brazier, Proc. Linn. Soc. N. S. W. 1875, p. 6. Guichen Bay (*Bednall*).

3. COMINELLA LACTEUM.

Buccinum lacteum, Reeve, Conch. Icon. pl. 14. fig. 117.

Port Elliot and Port Wallaroo (*Stansbury*).

4. NASSA JACKSONIANA.

Buccinum jacksonianum, Kiener, Mon. Bucc. pl. 19. fig. 73.

Holdfast and Aldinga Bays (*Bednall*); also Port Jackson.

5. NASSA INTERMEDIA.

Nassa intermedia, Dunker, 'Novara' Exp. Moll. tab. 1. fig. 2.

Port Lincoln (*Bednall*); also Port Jackson.

6. AMALDA MARGINATA.

Ancillaria marginata, Lam., Reeve, Conch. Icon. pl. 3. fig. 8.

Port Lincoln; South Coast (*Bednall*). Also Tasmania and New South Wales.

7. MELO MILTONIS.

Melo miltonis, Gray, Grif. An. King. (1833).

Fowler's Bay, to the westward of Port Lincoln.

8. MITRA PICA.

Mitra pica, Reeve, P. Z. S. 1845; Conch. Icon. pl. 31. fig. 247.

Port Elliot; Kangaroo Island (*Bednall*).

9. MITRA LINCOLNENSIS.

Mitra lincolnensis, Angas, P. Z. S. 1878, p. 313, pl. 18. figs.

10, 11.

Port Lincoln, Semaphore Beach; and Salt Creek.

10. MITRA SCHOMBURGKI.

Mitra schomburgki, Angas, P. Z. S. 1878, p. 313, pl. 18. figs.

12, 13.

St. Vincent's Gulf.

11. MITRA TATEI.

Mitra tatei, Angas, P. Z. S. 1878, pl. 54. fig. 8.

Found alive in two fathoms of water, Surveyor's Point; among shell-sand, Holdfast and Aldinga Bays, and Salt Creek (*Tate*).

For *Columella dermestoides*, Kien. (No. 65 in my first list), read *C. lineolata*, Pease. Port Lincoln and Port Elliot.

For *Columella interrupta*, Angas (specific name preoccupied), read *C. angasi*, Brazier. York's Peninsula.

12. MARGINELLA VOLUTIFORMIS.

Marginella volutiformis, Sow. Thes. Conch.

Macdonnell Bay (*Tate*).

13. MARGINELLA TURBINATA.

Marginella turbinata, Sow. Thes. Conch.
Macdonnell Bay; also New S. Wales.

14. CRYPTOSPIRA CYMBALUM.

Cryptospira cymbalum, Tate, Proc. Adelaide Phil. Soc. 1878.
Aldinga. Like *C. ovulum*, with eight plaits on the pillar.

15. HYALINA ALBIDA.

Hyalina albida, Tate, Proc. Adelaide Phil. Soc. 1878.
Marino. Very narrow and white.

16. ERATO BIMACULATA.

Erato bimaculata, Tate, Proc. Adelaide Phil. Soc. 1878.
Minute, yellowish white, with a red spot at each end of aperture.

17. NATICA MAROCHIENSIS.

Natica marochiensis, Lam., Reeve, Conch. Icon. pl. 13. fig. 52.
Very small specimens, living in St. Vincent's Gulf. Subfossil in
the Port-Adelaide-Creek limestone (*Tate*).

18. SCALA FRIABILIS.

Scalaria friabilis, Sow., Reeve, Conch. Icon. pl. 7. fig. 52.
Port Lincoln; also Swan River.

19. SCALA (OPALIA) AUSTRALIS.

Scalaria australis, Lam., Sow. Thesaurus, pl. 35. fig. 135.
Aldinga Bay (*Bednall*); also New S. Wales.

20. TEREBRA BRAZIERI.

Terebra brazieri, Angas, P. Z. S. 1871, pl. 1. fig. 15.
Port Elliot (*Bednall*); Brisbane Water, New S. Wales.

21. TEREBRA USTULATA.

Terebra ustulata, Desh. P. Z. S. 1859, p. 294.
Fowler's Bay; Port Elliot (*Stansbury*). Also Tasmania.

22. OBELISCUS BRUNNEA.

Obeliscus brunnea, A. Ad., Sow. Thesaurus, pl. 171. fig. 35.
Syrnola brunnea, A. Ad. P. Z. S. 1862, p. 233.
Port Lincoln.

23. SYRNOLA TINCTA.

Syrnola tincta, Angas, P. Z. S. 1871, pl. 1. fig. 11.
St. Vincent's Gulf; also Port Jackson.

24. ODOSTOMIA EBURNEA.

Odostomia eburnea, Metcalfe, M.S. in Brit. Mus.
Holdfast Bay (*Tate*).
A very small, ovate, ivory-white species.

25. *PARTHENIA GRACILIS*.
Parthenia gracilis, Angas, P. Z. S. 1878, pl. 54. fig. 9.
 Shell-sand, Holdfast Bay (*Tate*).
26. *TURBONILLA ACICULARIS*.
Turbonilla acicularis, A. Adams.
 St. Vincent's Gulf (*Tate*).
27. *TURBONILLA FUSCA*.
Turbonilla fusca, A. Adams.
 Holdfast and Aldinga Bays; Port Lincoln (*Tate*).
28. *TURBONILLA HOFMANI*.
Turbonilla hofmani, Angas, P. Z. S. 1877, p. 183.
T. nitida, Angas, P. Z. S. 1867, p. 112 (name preoccupied by A. Adams: *T. nitida*, from Japan, Ann. Nat. Hist., vi. p. 419 (1860)).
T. angasi, Tenison-Woods, Proc. Roy. Soc. Tasmania, Mar. 13, 1877.
 Holdfast and Aldinga Bays (*Tate*); also Port Jackson.
29. *TRIVIA AUSTRALIS*.
Cypræa australis, Lam.; Sow. Couch. Illus. fig. 29.
 Fowler's Bay; Cape Northumberland (*Tate and Bednall*). Also New-South-Wales coast.
30. *DIALA IMBRICATA*.
Diala imbricata, A. Adams, Ann. & Mag. Nat. Hist. Oct. 1862.
 Shell-sand, Glenelg and Aldinga Bay (*Tate*).
31. *DIALA VARIA*.
Diala varia, A. Adams, Ann. & Mag. Nat. Hist. Oct. 1861.
 Between tide-marks, under stones, Aldinga Bay (*Tate*).
32. *DIALA PICTA*.
Diala picta, A. Adams, Ann. & Mag. Nat. Hist. Oct. 1861.
 St. Vincent's Gulf; and Wallaroo, Spencer's Gulf (*Tate*).
33. *RISSOINA NIVEA*.
Rissoina nivea, A. Adams, P. Z. S. 1851, p. 265.
 Port Lincoln.
34. *TROCHITA CALYPTRÆFORMIS*.
Trochus calyptræformis, Lam. Anim. sans Vert. vii. p. 627.
Crepidula tomentosa, Quoy et Gaim.
 On *Pinnæ*, Holdfast and Aldinga Bays (*Bednall*). Also New S. Wales.
35. *TRIPHORIS SCITULUS*.
T. scitulus, A. Adams.
 St. Vincent's Gulf (*Bednall*).

36. AMATHINA TRICARINATA.

Amathina tricarinata, Gray, Woodward's Manual, pl. 11. fig. 19.
Found dead on the beach at Port Lincoln.

37. CYCLOSTREMA TATEI.

Cyclostrema tatei, Angas, P. Z. S. 1878, pl. 54. fig. 10.
Shell-sand, Holdfast Bay; alive in the estuary of the Sturt (*Tate*).

38. SCHISMOPE ATKINSONI.

Scissurella atkinsoni, Tenison-Woods, Proc. Roy. Soc. Tasmania, 1876.

Holdfast and Aldinga Bays (*Tate*).

39. FISSURELLIDÆA SCUTELLA.

Fissurella scutella, Gray, Brit.-Mus. Cat. (*Fissurella*), No. 42; Sow. Thes. Conch. pl. 9. fig. 207 (*Trapezina*).

Guichen and Holdfast Bays (*Bednall*). Also Tasmania, New South Wales, and Cape of Good Hope.

40. MACROSCHISMA TASMANIÆ.

M. tasmaniæ, Gray.

South-east coast (*Bednall*); Tasmania (*T. Woods*).

Emarginula tasmaniæ, Sow., and *E. tenuicostata*, Sow., are regarded, and, I believe, rightly, by Rev. Tenison-Woods as varieties of *E. rugosa* of Quoy and Gaimard.

41. EMARGINULA DILECTA.

E. dilecta, A. Adams, P. Z. S. 1851.

St. Vincent and Spencer's Gulfs.

42. NACELLA PARVA.

Nacella parva, Angas, P. Z. S. 1878, pl. 54. fig. 12.

Holdfast and Aldinga Bays, parasitic on seaweed (*Tate*).

43. DENTALIUM OCTAGONUM?

D. octagonum, Lam.

Henley Beach.

44. CADULUS ACUMINATUS?

C. acuminatus, Desh., M.S. in coll. Cuming.

Holdfast and Aldinga Bays (*Tate*); also Port Jackson.

45. LEPIDOPLEURUS ANTIQUUS.

L. antiquus, Reeve, Conch. Icon. pl. 25. fig. 169.

Aldinga Bay, and Marina (*Bednall*); also Port Jackson.

46. CHITON SICULOIDES.

Chiton siculoïdes, Carpenter.

Port Lincoln (*Bednall*).

47. BUCCINULUS INTERMEDIUS.

B. intermedius, Angas, P. Z. S. 1878, p. 869, pl. 54. fig. 11.
Aldinga Bay (*Tate*).

48. TORNATINA FUSIFORMIS.

T. fusiformis, A. Ad., Sow. Thes. Conch. pl. 121. fig. 37.
Glenelg Beach (*Bednall*); also Port Jackson and Port Stephen,
New S. Wales.

49. VOLVULA ROSTRATA.

V. rostrata, A. Adams, Sow. Thes. Conch. pl. 125. fig. 154.
Holdfast Bay (*Tate*).

50. CYLICHNA PYGMÆA.

C. pygmæa, A. Adams, Sow. Thes. Conch. pl. 125. fig. 150.
Holdfast Bay (*Tate*).

51. ATYS EXIGUA.

Alys exigua, A. Adams, Sow. Thes. Conch. pl. 125. fig. 129.
Holdfast Bay (*Tate*).

52. ALEXIA MERIDIONALIS.

A. meridionalis, Brazier, M.S.
Port-Adelaide Creek (*Bednall*).

53. MARINULA XANTHOSTOMA.

M. xanthostoma, H. & A. Adams, P. Z. S. 1854, p. 35.
York's Peninsula, Aldinga, &c. (*Bednall*).

54. SIPHONARIA ALBIDA.

Siphonaria albida, Angas, P. Z. S. 1878, p. ³¹⁴869, pl. 18. figs. 14, 15.
Port Lincoln.

CONCHIFERA.

55. HUMPHREYIA STRANGEL.

Aspergillum strangei, A. Adams, P. Z. S. 1852, p. 91, pl. 15. fig. 5.
St. Vincent's Gulf (*Bednall*). Also Port Jackson, New S. Wales
(*Angas*); Tasmania (*T. Woods*).

56. GASTROCHÆNA TASMANICA.

G. tasmanica, Tenison-Woods.
Burrowing in limestone forming the bed of Port-Adelaide Creek ;
also on *Chamæ*; and in the incrustated growth of *Pinnæ*, St. Vincent's
Gulf (*Tate*).

57. CORBULA NASUTA.

Corbula nasuta, Sow. P. Z. S. 1833, p. 35.
Holdfast and Aldinga Bays (*Tate*); also New S. Wales.

58. DONAX SORDIDUS.

D. sordida, Reeve, Conch. Icon. pl. 4. fig. 32.

Port Lincoln.

59. MYSELLA ANOMALA.

Mysella anomala, Angas, P. Z. S. 1877, p. 176, pl. 26. fig. 22.

Holdfast and Aldinga Bays (*Tate*); also Port Jackson, New S. Wales.

60. MYSELLA DONACIFORMIS.

Mysella donaciformis, Angas, P. Z. S. 1878, p. 863, pl. 54. fig. 13.

St. Vincent's Gulf (*Tate*).

61. TAPES FLABAGELLA.

Tapes flabagella, Desh., Reeve, Conch. Icon. pl. 13. fig. 66.

Aldinga and Holdfast Bays (*Tate*); also New South Wales.

62. CHIONE (MARCIA) LÆVIGATA.

Venus lævigata, Sow. Thes. Conch. pl. 159. figs. 156-8.

Port-Adelaide Creek (*Bednall*). New S. Wales, Victoria, and Tasmania.

63. TIVELA UNDULOSA.

Venus undulosa, Lam. Anim. sans Vert. vi. p. 370.

Venus variabilis, Sow. Thes. Conch. *Venus*, pl. 158. figs. 142-6.

Semaphore Beach, Guichen Bay, and Port Lincoln (*Bednall*).

64. CARDIUM PULCHELLUM.

C. pulchellum, Reeve, Conch. Icon. pl. 8. fig. 42.

Dredged in St. Vincent's Gulf (*Tate*); also Port Jackson and Tasmania. (Very small specimens.)

65. LUCINA TATEI.

Lucina (Codakia) tatei, Angas, P. Z. S. 1878, p. 863, pl. 54. fig. 15.

East side of St. Vincent's Gulf, and Cape Northumberland (*Tute*).

66. LORIPES OVUM.

Lucina ovum, Reeve, Conch. Icon. pl. 5. fig. 21.

Holdfast Bay and Salt Creek (*Tate*); also Botany Bay, New S. Wales.

67. LASEA AUSTRALIS.

Poronia australis, Souv. Journ. de Conch. 1863, pl. 12. fig. 8.

Under stones, Aldinga and Holdfast Bays, Cape Northumberland, and Wallaroo. Common in Tasmania, and also in New S. Wales.

68. LEPTON AUSTRALIS.

Lepton australis, Angas, P. Z. S. 1878, p. 863, pl. 54. fig. 14.

Glenelg and Port Creek (*Tate*).

69. CRENELLA BARBATA.

Modiolaria barbata, Angas, P. Z. S. 1867, p. 911, pl. 44. fig. 12.
St. Vincent's Gulf &c. ; also Botany Bay, New S. Wales.

70. TRIGONIA MARGARITACEA.

Trigonia margaritacea, Lam., Reeve, Conch. Icon. pl. 1. fig. 3.
Port Lincoln; dead valves washed upon Semaphore Beach (*Bednall*).
Also Tasmania.

71. PECTUNCULUS LATICOSTATUS.

P. laticostatus, Quoy et Gaim. Voy. de l'Astrol. ; Reeve, Conch.
Icon. pl. 2. fig. 8 *a, b*.
Cape Jervis; and Hallet's Cove, St. Vincent's Gulf (*Tate*); Badger
Island, Bass's Straits (*Tate*). New Zealand.

72. LIMOPSIS MACGILLIVRAYI.

Limopsis macgillivrayi, A. Ad. in Coll. Cuming.
Guichen Bay (*Bednall*). Semifossil at McDonnell Bay (*Tate*).

73. NUCULA MICANS.

Nucula micans, Angas, P. Z. S. 1878, p. 864, pl. 54. fig. 16.
Shell-sand, St. Vincent's Gulf (*Tate*).

74. PLACUNANOMIA (MONIA) IONE.

Placunanomia ione, Gray, P. Z. S. 1849, p. 123.
Henley Beach; Marino (*Bednall*). Common in New South Wales.

75. KRAUSSIA LAMARCKIANA.

Kraussia lamarckiana, Davidson, P. Z. S. 1852, p. 80, pl. 14.
figs. 22, 23.
St. Vincent's Gulf (*Tate*). Common in N. S. Wales and Tasmania,
also New Zealand.

11. Notes on *Myxopoda aurita*, Miln.-Edw.

By G. E. DOBSON, M.A., M.B., &c.

[Received October 21, 1878.]

Among the many valuable specimens lately added to the collection of the Muséum d'Histoire Naturelle at Paris, perhaps the most remarkable is that of a very peculiar species of Bat from Madagascar, described by M. Alphonse Milne-Edwards¹ under the appropriate name of *Myxopoda*² *aurita*.

During a short visit to Paris last month I was enabled, through the kindness of M. Milne-Edwards, to examine the type of this most interesting species, of which the following is a description.

¹ In Bull. Soc. Philom. de Paris, June 22, 1878.

² μύξα, mucus; πούς, pes.